

(2 Data Items)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Report, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the CONTRACTPR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY TDP <input type="checkbox"/>		TM. <input type="checkbox"/>		OTHER <input checked="" type="checkbox"/>												
D. SYSTEM / ITEM DIMINISHING MFG. SOURCES/TECH. ENGINEERING				E. CONTRACT / PR NO. PR FD2060-00-21141		F. CONTRACTOR MANUFACTURING TECHNOLOGY, INC.														
1. DATA ITEM NO. A001		2. TITLE OF DATA ITEM CONTRACTOR PROGRESS, STATUS, AND MANAGEMENT REPORT				3. SUBTITLE MONTHLY STATUS REPORT														
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-90227/T			5. CONTRACT REFERENCE SOW PARA. 2.0 AND 3.6			6. REQUIRING OFFICE WR-ALC/LFEFA														
7. DO 250 REQ LT		8. DIST STATEMENT REQUIRED D		10. FREQUENCY MONTHLY		12. DATE OF FIRST SUBMISSION SEE BLK 16		14. DISTRIBUTION												
8. APP CODE A				11. AS OF DATE SEE BLK 16		13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="2">a. ADDRESSEE</td> <td colspan="3">b. COPIES</td> </tr> <tr> <td>Draft</td> <td colspan="2">Final</td> </tr> <tr> <td></td> <td></td> <td>Reg</td> <td>Repro</td> </tr> </table>		a. ADDRESSEE	b. COPIES			Draft	Final				Reg	Repro
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	Draft	Final																		
		Reg	Repro																	
16. REMARKS BLK 4: CONTRACTOR FORMAT IS ACCEPTABLE. BLK 9: DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND DOD CONTRACTORS ONLY. OTHER REQUESTS SHALL BE REFERRED TO WR-ALC/LFEFA OR HIGHER DOD AUTHORITY. EXPORT CONTROLLED. BLKS 11-13: INITIAL REPORT DUE 10 DAYS AFTER THE BEGINNING OF THE FIRST FULL MONTH ARO. SUBSEQUENT SUBMISSION DUE 10 DAYS AFTER THE FIRST OF EACH MONTH. REF: LFE/FY00-026						WR-ALC/LFEFA														
						296 COCHRAN ST.														
						ROBINS AFB, GA														
						31096-1622														
						15. TOTAL							1							

1. DATA ITEM NO. A002		2. TITLE OF DATA ITEM SERVICE ENGINEERING REPORT				3. SUBTITLE INTERIM ENGINEERING REPORT														
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81384/T			5. CONTRACT REFERENCE SOW PARA. 2.0 AND 3.6.2, 3.6.10			6. REQUIRING OFFICE WR-ALC/LFEFA														
7. DO 250 REQ LT		8. DIST STATEMENT REQUIRED D		10. FREQUENCY AS REQUIRED		12. DATE OF FIRST SUBMISSION AS REQUIRED		14. DISTRIBUTION												
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						296 COCHRAN ST.														
						ROBINS AFB, GA														
						31096-1622														
						15. TOTAL						1	1							

G. PREPARED BY SAMUEL J CALLOWAY, WR-ALC/LFEFA		H. DATE 08/02/00		I. APPROVED BY <i>Samuel J Calloway</i>		J. DATE 12 Feb 01	
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17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT A	C. CATEGORY TDP <input type="checkbox"/>	TM <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/>
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F. CONTRACTOR
MANUFACTURING TECHNOLOGY, INC.

3. SUBTITLE

6. REQUIRING OFFICE
WR-ALCAFEFA

14.	DISTRIBUTION
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a. ADDRESSEE	Draft	Final	
		Reg	Repro

WR-ALCAFEFA		1	
296 COCHRAN ST.			
ROBINS AFB, GA			
31098-1622			
15. TOTAL		1	

15. TOTAL		1	
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3. SUBTITLE

6. REQUIRING OFFICE
WR-ALC/LFEFA

14.	DISTRIBUTION
	b. COPIES

a. ADDRESSEE	Draft	Final	
		Reg	Repro

WR-ALC/LFEFA		1	
296 COCHRAN ST.			
ROBINS AFB, GA			
31098-1622			
15 TOTAL		1	

J. DATE
13.7.10

16. ESTIMATED TOTAL PRICE

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT A	C. CATEGORY TOP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>
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**F. CONTRACTOR
MANUFACTURING TECHNOLOGY, INC.**

3. SUBTITLE

FINAL ENGINEERING REPORT

6. REQUIRING OFFICE
WR-ALCALFEFA

14. DISTRIBUTION

13. DATE OF SUBSEQUENT
SUBMISSION
SEE BLK 16

**BLKS 10, 11, 13: SUBMIT WITHIN 30 WORKING DAYS AFTER MEETINGS. APPROVAL BY
HAR-ALCUFEFA WITHIN 10 WORKING DAYS OF SUBMISSION. RESUBMITTAL WITH
REVISIONS WITHIN 60 WORKING DAYS OF ORIGINAL SUBMISSION.**

REF: LFE/FY00-028

3. SUBTITLE

6. REQUIRING OFFICE
WR-ALC/LFEFA AND LFKB

14.	DISTRIBUTION
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13. DATE OF SUBSEQUENT
SUBMISSION
SEE BLK 16

BLKS 11-13: SUBMIT THE INITIAL REPORT ON THE 10TH OF THE MONTH ARO AND ON THE 10TH OF EACH MONTH THEREAFTER.

REF: LFE/FY00-026

I. APPROVED BY

J. DATE

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT A	C. CATEGORY TDP <input type="checkbox"/>	TM <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/>
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1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A007	SYSTEM SAFETY HAZARD ANALYSIS REPORT (SSHA)	

7. DO 250 REQ LT	9. DIST STATEMENT REQUIRED D	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
8. APP CODE A		11. AS OF DATE SEE BLK 16	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16	a. ADDRESSEE	b. COPIES	Final	
							Draft

WR-ALCLFEFA	1	1	
296 COCHRAN ST.			
ROBINS AFB, GA.			
31098-1622			
15. TOTAL	1	1	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
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14.		DISTRIBUTION	
a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro

[illegible]

G. PREPARED BY SAMUEL J CALLOWAY, WR-ALC/LFEFA		H. DATE 08/02/00	I. APPROVED BY <i>Samuel J. Calloway</i>	J. DATE 11 July 00
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17. PRICE GROUP

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

FCONTRACT DATA REQUIREMENTS LIST (1 Data Item)

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT <i>A007</i>		C. CATEGORY: TDP XXXX TM OTHER																																																
D. SYSTEM / ITEM		E. CONTRACT / PR NO. FD2060-00-21141		F. CONTRACTOR Manufacturing Technologies Inc (MTI)																																																
1. DATA ITEM NO. <i>A008</i>	2. TITLE OF DATA ITEM PRODUCT DRAWINGS AND ASSOCIATED LISTS			3. SUBTITLE																																																
4. AUTHORITY (Data Acquisition Document No.) DI-DRPR-81000A/T		5. CONTRACT REFERENCE SOW 3.3		6. REQUIRING OFFICE WR-ALC/TILCA																																																
7. DD 250 REQ SD	9. DIST STATEMENT REQUIRED BLOCK 16	10. FREQUENCY ONE	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION																																																
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16. REMARKS NOTE: Air Force (Cage Code 98752), drawings 9579776, 9626025, and 9579777, latest revision are part of this CDRL. A copy of the drawings may be requested through the Procurement Contracting Officer <i>2000-78</i> [SEE CONTINUATION SHEET]																																																				
G. PREPARED BY <i>Margie Gutierrez</i> MARGIE GUTIERREZ		H. DATE 03 August 2000		I. APPROVED BY <i>Greg C. Cray</i>																																																
				J. DATE <i>08/03/00</i>																																																

BLOCK 4:

DI-DRPR-81000A is tailored as follows:

- a. Paragraph 7.1, delete in its entirety.
- b. Paragraph 10.1, delete in its entirety and replace with "10.1 Reference Documents. The applicable documents apply as cited in the DD Form 1423 and continuation sheets."
- c. Paragraph 10.2, delete "Product drawings and associated lists shall meet the requirements of MIL-DTL-31000A".
- d. Delete Paragraph 10.3 in its entirety and replace with "10.3 Drawing Forms. The contractor shall utilize their own forms for Product Drawings and Associated Lists, which meet the requirements of ANSI Y14.1. (The government does not furnish forms for drawing formats)"
- e. Paragraph 10.4, delete "Product Drawings and Associated Lists shall conform to the requirements of ASME Y14.100M, ASME Y14.34M and, where DoD peculiar requirements must be met, MIL-STD-100" and replace with "Product Drawings and Associated Lists shall conform to the requirements of MIL-STD-100F, ASME Y14.24, ASME Y14.35M, ASME Y14.34M and DD Form 1423."
- f. Paragraph 10.6, delete "Selection Work Sheet incorporated in the contract or purchase order." and replace with "DD Form 1423."
- g. Paragraph 10.7, delete "The Selection Work Sheet incorporated in the contract or purchase order will specify whether the contractor or the Government is responsible for selecting the types of drawings and lists." and replace with "The contractor is responsible for selecting the types of drawings and lists."

BLOCK 9:

DISTRIBUTION STATEMENT. Distribution statements shall be in accordance with DoD Directive 5230.24 and included on the first sheet of each drawing near the title block, and shall be as follows:

"DISTRIBUTION STATEMENT Distribution authorized to DoD and DoD Contractors only; Information protected specific Authority, F-15 Security classification Guide – 28 Jan 1998. Other requests shall be referred to LFEFA.

Note: Certain types of technical data preclude placing the entire notice on the document. To accommodate this problem an abbreviated version is authorized as follows:

DISTRIBUTION STATEMENT "D": "DoD & CONTRACTORS (LFEFA).

EXPORT CONTROL NOTICE. The Export Control Notice shall be in accordance with DoD Directive 5230.24 as follows:

EXPORT CONTROL NOTICE. "WARNING – EXPORT CONTROLLED."

DESTRUCTION NOTICE. Maintain documents with one of the following:

a. For unclassified limited documents: "DESTRUCTION NOTICE. Destroy by any method that will prevent disclosure of contents or reconstruction of the document."

b. For classified documents: "DESTRUCTION NOTICE. Follow the procedures in DoD 5220.22-M, *Industrial Security Manual*, section 11-19, or DoD 5200.1R, *Information Security Program Regulation*, chapter IX."

BLOCK 11: 15 days

BLOCK 12 AND 13:

1. All data submittals shall contain a shipping list prepared to include as a minimum, the document number, revision level, and number of sheets/pages. Part number, noun and drawing size is optional. The data delivered shall be in the same sequence as the shipping list. Unless prior approval is granted by WR-ALC/TILCA, shipments of data must be for complete assemblies, i.e., LRU's and SRU's. Shipping list shall specify whether the shipment is updates, final or make-up.

2. When a specific revision of an engineering document has been previously furnished and approved by a USAF Engineering Data Repository in microfilm or digital form as a result of any government contract, and is required by this DD Form 1423, the same data shall not be resubmitted providing it meets the requirements in the DD Form 1423 for existing data. This data shall be identified as being previously submitted and approved and shall include the document number, revision, and contract number under which the data were submitted. The receiving USAF Engineering Data Repository shall be identified. This action is required concurrent with all submittals.

3. One set of paper copies of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered as required in each order. Submittal shall be accompanied by a letter of transmittal. Paper copy submittal will be reviewed within 30 days after receipt of data, unless additional time is required, at which time the contractor will be notified.

a. Submittal of programming files, per Air Force (CAGE 98752) drawing 9579776, Software and Firmware Data is not required for this (paper) submission.

b. Four (4) representative samples of each digital data format per Air Force (CAGE 98752) drawing 9579776, (Native, I, HPGL, Drawing Metadata Spreadsheet, etc.) shall delivered as cited in each order.

4. After approval of paper copy, one set of all "final reproducible data" (reference Block 14 of the DD 1423) shall be delivered to WR-ALC/TILCA, 420 Second Street Suite 100, Robins AFB GA 31098-1640. Delivery to be cited in each order.

a. Submittal of programming files, per Air Force (CAGE 98752) drawing 9579776, Software and Firmware Data is required.

BLOCK 16:

NOTE: Activity Code and Part Identification will be as cited in each order and will be cited as one of the below:

1. Government Activity and Part Identification: The contractor shall comply with Air Force (CAGE 98752) drawing 9626025, titled "Air Force Drawing Requirement". This requirement defines additional format requirements for the generation of Air Force drawings.

1.1 Engineering Change Orders (ECOs): When an existing AF drawing is revised, all ECOs shall be incorporated prior to the paper submittal for review. Concurrent with the final submittal, all ECOs shall be incorporated and a hardcopy delivered.

2. Content, format, and media requirements for delivery of Digital Engineering Data: The contractor shall comply with Air Force (CAGE 98752) drawing 9579776. Paragraph 8 of drawing 9579776 is waived for this contract.

(OR)

1. Contractor Activity and Part Identification: The contractor shall use his own design activity identifier (CAGE) and shall assign his own design activity drawing numbers. This number shall be or shall include the drawing number on which the item is described. Where more than one item is described on a drawing, unique identification shall be provided by the addition of a suffixed dash number with the following limitations:

- a. The total length of the part number including dash numbers and spaces shall not exceed 15 characters.
- b. The dash number shall have the same characteristics as drawing numbers and may be composed of numbers, letters, or any combination thereof.
- c. Part numbers shall not include the drawing revision letter, the contractor CAGE, or the drawing format size letter.

2. Content, format, and media requirements for delivery of Digital Engineering Data: The contractor shall comply with Air Force (CAGE 98752) drawing 9579776. Paragraph 8 of drawing 9579776 is waived for this contract.

3. Engineering Data: The contractor shall develop/produce/maintain a Technical Data Package (TDP) that accurately depicts the final product. A TDP is defined as a technical description of item(s) adequate for supporting an acquisition strategy, production, engineering and logistic support. The description defines the required design configuration and procedures required to ensure adequacy of item performance. It consists of all applicable technical data such as drawings and associated lists, specifications, standards, performance/test criteria quality assurance provision, and packaging details. The drawings provided as part of the TDP shall reflect the level of design maturity that the item has attained. When specified in the contract or purchase order, product drawings for aerospace propulsion items shall include vendor substantiation data. Drawings and associated lists shall provide necessary design, engineering, manufacturing, and quality assurance information necessary to enable the procurement or manufacture of an interchangeable item that duplicates the physical and performance characteristics of the original product, without recourse to the original design activity. Complete design and product definition data necessary to obtain hardware to the lowest component

part that can be procured as a separate entity shall be delivered. This included out is not limited to special tooling, interface hardware, special test equipment, and support equipment. The contractor shall produce and maintain documentation for all electrical assemblies/subassemblies in such a manner to ensure their functional integration without recourse to Special Test Equipment (STE) or installation of the assemblies/subassemblies into a next higher assembly. Information is to be provided for proper identification as to performance ratings, dimensional features, electrical connections, physical power and voltage ratings, resistance values, mechanical and electrical connections, physical characteristics, identity of chemical composition, tests, evaluation, and any other design features not included above, to fully identify and/or manufacture of the item. For the contractor's information only, the contractor may find it useful to incorporate the concepts of MIL-HDBK-288 into the preparation of the TDP. This TDP is for logistic support, including competitive reprocurement; and shall be free of limited rights/proprietary markings of any kind (except for government approved and contract specified documentation).

4. Relationship of Contractor with Subcontractors/Vendors: The contractor shall levy on subcontractors/vendors the same requirements for Technical Data Packages (TDPs) as are levied on them by this contract. This requirement shall be flowed down to the lowest tier subcontractor/vendor associated with the program.

5. Order of Preference:

Priority I

Documents mandated for use by law or regulation pursuant to law.

Priority II

Performance Oriented Documents: (a) Non-Government Standards; (b) Commercial Item Descriptions; (c) Federal Specifications and Standards; (d) Military Specifications and Standards.

Priority III

Design Based Documents: (a) Non-Government Standards; (b) Federal Specifications and Standards; (c) Military Specifications and Standards

Priority IV

Standards, specifications and related publications issued by the Government outside the military or federal series for the non-repetitive acquisition of developmental items.

Priority V

Company Specifications

6. ENGINEERING DRAWING PRACTICES: The contractor shall use the practices described in MIL-STD-100G, MIL-STD-130J, MIL-HDBK-288B, MIL-STD-12, IPC-D-275, ASME Y14.24M, ASME Y14.34M, ASME Y14.35M, ANSI Y14.2M, ANSI Y14.4M, ANSI Y14.6, ANSI Y14.7.1, ANSI Y14.7.2, ASME Y14.8M, ANSI Y14.13M, ANSI Y14.15, ANSI Y14.15a, ANSI Y14.15b-1973, ANSI Y14.17, ASME Y14.18, ASME Y14.5M-1994, ASME Y14.3M, ANSI Y14.36, ANSI Y32.10, ASTM E380, ANSI/AWS A2.4, ANSI/AWS A3.0, ANSI/IEEE Std 91, ANSI/IEEE Std 200, ANSI/IEEE Std 260, ANSI/IEEE Std 280, IEEE Std 315, ANSI/IEEE Std 991, ANSI/IPC-D-350, ANSI/IPC-T-50, SAE AS1290, and ANSI Y14.1.

- b. The following tailoring applies:
ASME Y14.24M-1989:

Para 3.2.1 Description

(Multidetail Drawing). Revise this paragraph to read as follows:

"A multidetail drawing delineates and defines two or more uniquely identified parts on the same drawing."

Para 11.2.3 Requirements (Cable Assembly Drawing). In subparagraphs, add the following sentence:
"Alternately, an undimensioned drawing may be used in lieu of a dimensioned drawing."

Para 11.7.3.2 Tabular Delineation (Tube Bend Drawing). Revise subpara c, to the following: "unique identifiers assigned to each tube assembly and end fittings and, optionally, to each bent tube (formed tube without end fittings)."

ASME Y14.34M-1989

Para 5.6.4 Revision Description. In line 4, change "number" to "identified".

Figure 3 item 7 Authentication. Add the following sentence: "This entry is optional for separate Automated Data Processing System (ADPS) parts lists."

ANSI Y14.1

Para 7.1, the contents of the basic arrangement as shown shall apply. Paragraph 12.2 add, "Sheets shall be numbered beginning with one (1) and continue, using consecutive whole integers."

7. Source Control Drawings: Source Control Drawing Approval Requests shall be submitted. The request (letter) shall be submitted to the requiring office in Block 6 of this DD Form 1423 prior to the preparation or use of a Source Control Drawing. The letter shall be marked with Distribution Statement "A" in accordance with DoD-D-5230.24. Preparation instructions are as follows:

- a. Format - The Source Control Drawing Approval Request shall be in the contractor's format.
- b. Content - The request shall specify the following:
 - (1) Nomenclature and description of the item.
 - (2) The critical application (s) for which the item is to used.
 - (3) Number of applications per end item.
 - (4) Item status as a repair part.
 - (5) System performance requirements requiring source qualification.
 - (6) Procedures and criteria required to qualify a source.
 - (7) Sources of supply and manufacturers' part numbers.
 - (8) Cost of the item involved.
 - (9) Estimated cost to qualify a source.
 - (10) Impact on contract cost, schedule and performance if use of source control drawing is not permitted.
 - (11) Copy of the Non-standard part approval request, if the DoD Parts Control Program is applicable under the contract or purchase order.

8. Control Drawings: The contractor shall not identify his own company as a source on control drawings, unless one additional source is also shown. A separate division of the contractor's company, with a different manufacturers code (CAGE) may be shown, if it is actually a source. Control drawings not developed for this contract (existing drawings) shall be updated, to show current information (i.e., performance/qualification requirements, vendors/sources names and part numbers).

9. Existing Data: When existing data meets the following criteria, or will be modified or revised to meet the following criteria, it shall be used in lieu of preparing new data:

- a. It is furnished with rights-in-data consistent with the contract stipulations regarding data rights;
- b. It is furnished at a cost to the government equal to or less than preparing new data;
- c. It meets the highest quality of legibility and reproducibility available in the commercial world. (Reproduced paper copies shall be direct reading and shall not require magnification).
- d. It meets the design disclosure requirements of the TDP element of which it is to be a part of.
- e. It is identified by a Commercial and Government Entity (CAGE) Code, document number, title and applicable contract number(s).
- f. Any nonstandard symbols, drawing or documentation practices used are explained in the document or in a document referenced on the document containing the nonstandard symbol or practice.

10. Legibility and Reproducibility: All documents prepared or submitted shall meet the highest legibility and reproducibility requirements available in the commercial market controlling the media in which the data is to be delivered.

11. Parenthetical Information: Design activity identifying numbers may be referenced parenthetically to identify in-house peculiar documents (documents not necessary for the production and quality of the item). Parenthetically identified documents are not a required deliverable; however, if the government deems this document necessary, it shall be delivered. Engineering drawings and Part Lists (PL) using parenthetical identification shall carry a note thereon indicating parenthetical identities are for reference only.

12. Referenced Documents: Documents referenced in a TDP shall be furnished as an integral part of that TDP except where the documentation meets the requirement of the paragraph titled Existing Data above, and has been furnished and approved under a previous contract in the same revision to any USAF repository. When first tier references do not provide the technical information required by the TDP element, subordinate reference documents shall be provided until the design disclosure requirements are met. Technical manuals/orders, procedural manuals, and maintenance manuals shall not be referenced within the TDP. When information essential to meeting TDP design disclosure requirements (such as default surface finish values) are contained in such documents, that information must be incorporated in a document acceptable for inclusion in the TDP.

13. Protecting Classified Information: TDPs or parts thereof, containing classified information shall be protected and marked in accordance with the Department of Defense Industrial Security Manual for Safeguarding Classified Information, DoD Manual 5220.22-M.

14. Contract Numbers: When a TDP document is prepared under a Government contract, the Government contract number under which it is prepared shall appear on the first sheet of the document original. When a TDP document is delivered under a Government contract other than the one under which it was prepared, the Government contract number under which it is delivered shall also appear on the first sheet of each copy submitted. If the document is prepared and submitted under the same contract, only the entry for the contract under which it is prepared is required.

15. Application of Contract Numbers: When TDP documents or copies thereof are to be delivered under a subsequent or other contract, cost effective techniques may be used to apply the delivery contract numbers. Examples of such techniques are using a rubber stamp for paper copies, photographic overlays for microfilm, or electronic application to digital data.

16. Application Block: All new and revised drawings shall contain an Application Block. The Application Block is mandatory for all drawings. The Application Block shall be near the Title Block. The Application Block shall show the "Next Assembly" and "Used On". When an item is used in more than three applications, the entry "general usage" may be used.

17. Environmental Stress Screening (ESS): TDP documents shall contain ESS criteria, and the implementation of that criteria, necessary to ensure system performance at design levels directly or by reference on TDP elements.

a. Selected item drawings are required for all items and assemblies that require the application of ESS selection criteria to meet system requirements. The TDP element shall define, directly or by reference, the ESS selection criteria applied to the item or assembly identified.

b. Incoming ESS inspection procedures used on materiel/items which do not require selected item drawing delineation shall be required directly or by reference on the TDP element identifying that materiel/item.

c. Any ESS utilized during manufacturing/production in addition to the selected item ESS or incoming inspection criteria, shall be required either directly or by reference on applicable TDP documents.

18. Traceability: The contractor shall prepare the TDP in such a manner to insure that all applicable documents i.e., Artwork, Schematics, and Test Criteria, etc., are referenced within the TDP for traceability.

19. Preparation Method: American English language shall be used in the preparation of this TDP. All drawings shall be prepared using Third Angle Orthographic Projection method of presentation. The symbol for angle of projection shall be delineated in the Title Block of newly prepared or revised engineering data. (see ANSI Y14.3 figure 2).

20. TDP Validation: The contractor shall validate that the TDP and elements thereof conform to the contractual requirements, and that they accurately depict the item(s) developed, modified, or produced under the contract. Successful use of the TDP in producing, inspecting and testing the item(s) is considered acceptable evidence that the validation requirement has been met.

21. Test Criteria: Test criteria is an inherent part of the TDP. Test criteria shall be incorporated, either directly on each TDP document or by reference, for each end item, top assembly item, configured item, and lowest assembled item IAW Air Force (CAGE 98752) drawing 9579777, titled "Clarification of Detailed Test Criteria for Electrical and Avionics Items.

22. **Associated Lists:** Parts Lists per ASME Y14.34M-1989 are required. Parts Lists are required at assembly level. Parts Lists for Contractor Activity identifier CAGE code may be an integral part of a document or it may be a separate document.
23. **Software and Firmware Documentation:** Software and Firmware documentation is to be delivered as a part of this data requirement per Air Force (CAGE 98752) drawing 9579776.
24. **Marking:** Drawings shall specify requirement for marking part number identification on items as required by MIL-STD-130. The drawings shall identify the method and location of marking on the part.
25. **Engineering Data Updates and Revisions:** The contractor shall (and shall cause subcontractors and vendors to) update and maintain engineering data for the item(s) designed/ developed/modified/produced by this contract for the life of this contract and shall incorporate all changes in accordance with the following:
- a. All engineering changes shall be incorporated into the applicable engineering data within 90 days after engineering release/Government concurrence or at intervals of five changes, whichever occurs first, except a change involving safety, which shall be incorporated immediately.
 - b. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of preliminary data for review.
 - c. All engineering changes shall be incorporated into the applicable engineering data prior to delivery of final media (this includes all EO's generated as a result of the preliminary data review).
26. **Contractor Quality Control System:** The contractor shall develop and maintain a quality control system for the detailed examination and technical review of the TDP, to be supplied under the terms of the contract or purchase order. The quality control system shall assure conformance of the TDP to all requirements specified herein. The quality control system shall be documented and subject to review by the Government's representative. If the contractor's methods and procedures do not comply with the quality control system or do not attain their objectives, the quality control system shall be subject to disapproval by the Government.
27. **TDP Quality Control System Requirements:** The contractor's quality control system shall address:
- a. The methods and procedures to be used to control the development, maintenance and delivery of the TDP, including the use of electronic approvals or authorizations, if applicable.
 - b. Assignments of responsibilities and procedures for the detailed examination, review and final approval of the TDP by the contractor.
 - c. Qualifications of the personnel performing the examinations and reviews of the TDP.
 - d. Procedural flow of information and documentation within the organization for the development, review and approval processing of the TDP and components thereof.
 - e. Procedures for ensuring that nonstandard items used in the design have been documented as required for the FDP.
 - f. Methods of ensuring that approved engineering changes have been incorporated into the TDP in accordance with contract requirements.

g. Procedures for ensuring that security markings, distribution statements, and right-in-data legends are assigned and applied in accordance with applicable specifications, standards, regulations and public laws.

h. Methods of detecting, correcting, and preventing the recurrence of deficiencies with the TDP and discrepancies between the elements and components thereof.

28. Inspection of TDP: The TDP components thereof, including data prepared by subcontractors, shall be inspected for the following:

a. Compliance with the requirements of this contract.

b. Inclusion of all documents, including sub-tier references, required to meet the design disclosure requirements of the TDP, except those already furnished to the government as referenced in paragraph above titled "Referenced Documents".

c. Completeness and accuracy of the TDP documents in describing the approved, tested, and accepted design of the item and all subordinate assemblies, subassemblies and component parts.

29. In-Process Review (IPR) of the TDP (Engineering Data IPT Review): The contractor shall host, support, and co-chair (at his facility) IPRs of the engineering drawings and associated lists and other documentation to be included in the TDP. The contractor will have a copy of all data available at IPR. The IPR will be conducted only after the contractor's quality assurance personnel have completely reviewed the data and determined that data are of sufficient quality that Government time will be effectively utilized during the review. IPR may be scheduled when data has reached varying degrees of completeness and shall be held, when possible, in conjunction with other reviews (i.e., PDR, CDR). The contractor shall notify WR-ALC/TILCA a minimum of 30 days prior to the anticipated date of completion point. The IPR shall focus on the contractor's progress in the preparation of the TDP. The contractor shall support and provide the necessary resources, i.e., meeting agenda, conference room, applicable data, minutes, and appropriate personnel available to answer any questions to perform the IPR effectively. The contractor shall correct all discrepancies identified in the IPR. All subcontractor/vendor data shall be made available for review. If quantity is sufficient, the Government may schedule a separate IPR at the subcontractor's/vendor's facility. Each order will cite the requirement and times for IPRs when applicable.

30. Engineering Data Guidance Conference (Engineering Data Post Award IPT Meeting): The contractor may request a Guidance Conference if he feels that one is needed to understand the CDRL requirements. If needed the Conference shall be convened at a site and on a date agreed upon by the Government contracting officer and the contractor. The contractor shall prepare an agenda and record the minutes of the Guidance Conference. The contractor shall address, discuss, and provide status on the following: [DI-ADMN-81249, DI-ADMN-81250]

a. Understanding of all CDRL requirements, applicable DIDs, specifications and standards.

b. TDP review requirements and schedules.

c. TDP delivery requirements and schedules.

d. Contractor's drafting practices/procedures/TDP drawing formats.

e. The contractor's quality assurance procedures relating to TDP documents, including quality control of subcontractor and vendor data.

- f. The role of subcontractors and vendors who may deliver TDP documents under this contract.
- g. The contractor's configuration management system, including methods for releasing documents, approving documents, and incorporating changes into documents.
- h. Digital Technical Data Package (TDP) deliverables.

31. Printed Board Artwork Master Drawing. The printed board artwork master drawing shall include images of all artwork required to manufacture the printed board. These images will serve as a referenced to those images produced from the Gerber data files IAW Air Force drawing 9579776 (CAGE 98752), titled "Digital Data Description Requirement". This requirement is in addition to those in ASME Y14.24M and other related standards.

32. Restrictions:

- a. Wiring whose jacket or insulation material that contains Polyvinyl chloride (PVC) or other potentially corrosive elements shall not be used for Air Force aerospace equipment. This encompasses multiconductor cable, internal hookup wire, and interconnection cable and wire. Use of PVC in any other application requires prior approval from the office identified in block 6 of this DD Form 1423.
- b. MIL-W-16878 shall not be used for Air Force aerospace equipment.
- c. Wiring whose jacket or insulation material that contains Aromatic polyimide film shall not be used.

CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Report, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT A	C. CATEGORY TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>	
D. SYSTEM/ITEM DIMINISHING MFG. SOURCES/TECH. ENGINEERING		E. CONTRACT / PR NO. PR FD-2060-00-21141		F. CONTRACTOR MANUFACTURING TECHNOLOGY, INC.
1. DATA ITEM NO. A009	2. TITLE OF DATA ITEM TEST REQUIREMENTS DOCUMENT (TRD)			3. SUBTITLE

4. AUTHORITY (Data Acquisition Document No.) DI-ATTS-80041A		5. CONTRACT REFERENCE SOW PARA. 2.0		6. REQUIRING OFFICE WR-ALC/LFEFA			
7. DD 250 REQ LT	8. DIST STATEMENT REQUIRED D	10. FREQUENCY SEE BLK 16	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
9. APP CODE A		11. AS OF DATE SEE BLK 16	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16	a. ADDRESSEE	b. COPIES		
					Draft		
					Reg		
					Repro		
16. REMARKS BLK 9: DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND DOD CONTRACTORS ONLY. OTHER REQUESTS SHALL BE REFERRED TO WR-ALC/LFEFA OR HIGHER DOD AUTHORITY. EXPORT CONTROLLED. BLKS 10-13: INITIAL DRAFT TRD SHALL BE DELIVERED 30 DAYS PRIOR TO PDR. GOVERNMENT WILL PROVIDE COMMENTS WITHIN 30 DAYS AFTER PDR. COMMENTS SHALL BE INCORPORATED AND DRAFT TRD DELIVERED 30 DAYS PRIOR TO CDR. GOVERNMENT WILL PROVIDE COMMENTS WITHIN 30 DAYS AFTER CDR. COMMENTS SHALL BE INCORPORATED AND DRAFT TRD DELIVERED 45 DAYS PRIOR TO ACCEPTANCE TESTING. GOVERNMENT WILL PROVIDE COMMENTS WITHIN 15 DAYS. COMMENTS SHALL BE INCORPORATED AND FINAL TRD DELIVERED 7 DAYS PRIOR TO ACCEPTANCE TESTING.				WR-ALC/LFEFA	1	1	
				296 COCHRAN ST			
				ROBINS AFB, GA			
				31096-1622			
15. TOTAL				1	1		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A010		2. TITLE OF DATA ITEM ACCEPTANCE TEST PROCEDURES (ATP)		3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) DI-ATTS-80282B		5. CONTRACT REFERENCE SOW PARA. 2.0		6. REQUIRING OFFICE WR-ALC/LFEFA			
7. DD 250 REQ LT	8. DIST STATEMENT REQUIRED D	10. FREQUENCY SEE BLK 16	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
9. APP CODE A		11. AS OF DATE SEE BLK 16	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16	a. ADDRESSEE	b. COPIES		
					Draft		
					Reg		
					Repro		
16. REMARKS BLK 9: DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND DOD CONTRACTORS ONLY. OTHER REQUESTS SHALL BE REFERRED TO WR-ALC/LFEFA OR HIGHER DOD AUTHORITY. EXPORT CONTROLLED. BLKS 10-13: INITIAL DRAFT SHALL BE DELIVERED 45 DAYS PRIOR TO ACCEPTANCE TESTING. GOVERNMENT WILL PROVIDE COMMENTS WITHIN 20 DAYS. COMMENTS SHALL BE INCORPORATED AND FINAL ATP DELIVERED 10 DAYS PRIOR TO ACCEPTANCE TESTING.				WR-ALC/LFEFA	1	1	
				296 COCHRAN ST			
				ROBINS AFB, GA			
				31096-1622			
15. TOTAL				1	1		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY SAMUEL J CALLOWAY, WR-ALC/LFEFA		H. DATE 08/02/00	I. APPROVED BY <i>Samuel J Calloway</i>	J. DATE 12 Feb 01
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Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Report, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT A	C. CATEGORY TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>
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D. SYSTEM/ITEM DIMINISHING MFG. SOURCES/TECH. ENGINEERING	E. CONTRACT / PR NO. PR FD-2060-00-21141	F. CONTRACTOR MANUFACTURING TECHNOLOGY, INC.
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1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A011	ENGINEERING CHANGE PROPOSAL	

4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80639	5. CONTRACT REFERENCE SOW PARA. 2.0	6. REQUIRING OFFICE WR-ALC/LFEFA
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED D	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION AS REQ	14. DISTRIBUTION			
8. APP CODE A		11. AS OF DATE AS REQ	13. DATE OF SUBSEQUENT SUBMISSION AS REQ	a. ADDRESSEE	b. Draft	COPIES	
							Final
						Reg	Repro

16. REMARKS BLK 9: DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND DOD CONTRACTORS ONLY. OTHER REQUESTS SHALL BE REFERRED TO WR-ALCALFEFA OR HIGHER DOD AUTHORITY. EXPORT CONTROLLED.	WR-ALCALFEFA		1	
	296 COCHRAN ST			
	ROBINS AFB, GA			
	31096-1622			
	15. TOTAL		1	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A012	SPECIFICATION CHANGE NOTICE	

4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80643B	5. CONTRACT REFERENCE SOW PARA. 2.0	6. REQUIRING OFFICE WR-ALC/LFEFA
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED D	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION AS REQ	14. DISTRIBUTION			
11. AS OF DATE AS REQ		13. DATE OF SUBSEQUENT SUBMISSION AS REQ	a. ADDRESSEE	b.	COPIES		
8. APP CODE A						Draft	Final
						Reg	Repro

16. REMARKS	WR-ALC/LFEFA	1	
BLK 9: DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND DOD CONTRACTORS ONLY. OTHER REQUESTS SHALL BE REFERRED TO WR-ALC/LFEFA OR HIGHER DOD AUTHORITY. EXPORT CONTROLLED.	296 COCHRAN ST		
	ROBINS AFB, GA		
	31096-1622		
	15. TOTAL		1

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
SAMUEL J CALLOWAY, WR-ALC/LFEFA	08/02/00	<i>[Signature]</i>	12 Jul 01

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

10. ESTIMATED
TOTAL PRICE

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.		B. EXHIBIT A	C. CATEGORY TDP <input type="checkbox"/>		TM <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/>		
D. SYSTEM / ITEM DIMINISHING MFG. SOURCES/TECH. ENGINEERING			E. CONTRACT / PR NO. PR FD-2060-00-21141		F. CONTRACTOR MANUFACTURING TECHNOLOGY, INC.			
1. DATA ITEM NO. A013		2. TITLE OF DATA ITEM AUTOMATED COMPUTER PROGRAM NUMBERING SYSTEM DATA AND CONTROL SYSTEM			3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81454A			5. CONTRACT REFERENCE SOW PARA. 2.0		6. REQUIRING OFFICE WR-ALC/LFEFA			
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY ONE		12. DATE OF FIRST SUBMISSION SEE BLK 16		
8. APP CODE A				11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION N/A		
16. REMARKS BLK 9: DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND DOD CONTRACTORS ONLY. OTHER REQUESTS SHALL BE REFERRED TO WR-ALC/LFEFA OR HIGHER DOD AUTHORITY. EXPORT CONTROLLED. BLK 12: 30 DAYS PRIOR TO PDR					14. DISTRIBUTION			
					a. ADDRESSEE		b. COPIES	
							Draft	Final
							Reg	Repro
					WR-ALC/LFEFA		1	
					296 COCHRAN ST			
					ROBINS AFB, GA			
					31096-1622			
					15. TOTAL		1	
1. DATA ITEM NO. A014		2. TITLE OF DATA ITEM TECHNICAL MANUAL CONTRACT REQUIREMENT			3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) TM-86-01H/T			5. CONTRACT REFERENCE SOW PARA. 3.3		6. REQUIRING OFFICE WR-ALC/LFEFA			
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY SEE BLK 16		12. DATE OF FIRST SUBMISSION SEE BLK 16		
8. APP CODE A				11. AS OF DATE SEE BLK 16		13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16		
16. REMARKS BLK 4: GENERAL AND SPECIFIC TM REQUIREMENTS - SEE TM-86-01H BLK 5: TMC R WILL BE TAILORED FOR EACH SPECIFIC TASK ORDER BLK 8: APPROVAL IAW TM-86-01H SECTION 2 BLK 9: DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND DOD CONTRACTORS ONLY. OTHER REQUESTS SHALL BE REFERRED TO WR-ALC/LFEFA OR HIGHER DOD AUTHORITY. EXPORT CONTROLLED. BLK 10 - 15: SEE PART B OF TM-86-01H FOR DATA REQUIREMENTS. PART B SHALL BE TAILORED FOR EACH TASK ORDER.					14. DISTRIBUTION			
					a. ADDRESSEE		b. COPIES	
							Draft	Final
							Reg	Repro
					WR-ALC/LFEFA		1	1
					296 COCHRAN ST			
					ROBINS AFB, GA			
					31098-1622			
					15. TOTAL		1	1
G. PREPARED BY SAMUEL J CALLOWAY, WR-ALC/LFEFA		H. DATE 08/02/01		I. APPROVED BY [Signature]		J. DATE 12 Feb 01		

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A.** Self-explanatory.
- Item B.** Self-explanatory.
- Item C.** Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management", etc.
- Item D.** Enter name of system/item being acquired that data will support.
- Item E.** Self-explanatory (to be filled in after contract award).
- Item F.** Self-explanatory (to be filled in after contract award).
- Item G.** Signature of preparer of CDRL.
- Item H.** Date CDRL was prepared.
- Item I.** Signature of CDRL approval authority.
- Item J.** Date CDRL was approved.
- Item 1.** See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2.** Enter title as it appears on data acquisition document cited in Item 4.
- Item 3.** Enter subtitle of data item for further definition of data item (optional entry).
- Item 4.** Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5.** Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).
- Item 6.** Enter technical office responsible for ensuring adequacy of the data item.
- Item 7.** Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8.** Specify requirement for inspection/acceptance of the data item by the Government.
- Item 9.** For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoD 5230.24).
- Item 10.** Specify number of times data items are to be delivered.
- Item 11.** Specify as of date of data item, when applicable.
- Item 12.** Specify when first submittal is required.
- Item 13.** Specify when subsequent submittal are required, when applicable.
- Item 14.** Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15.** Enter total number of draft/final copies to be delivered.
- Item 16.** Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group 1. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.